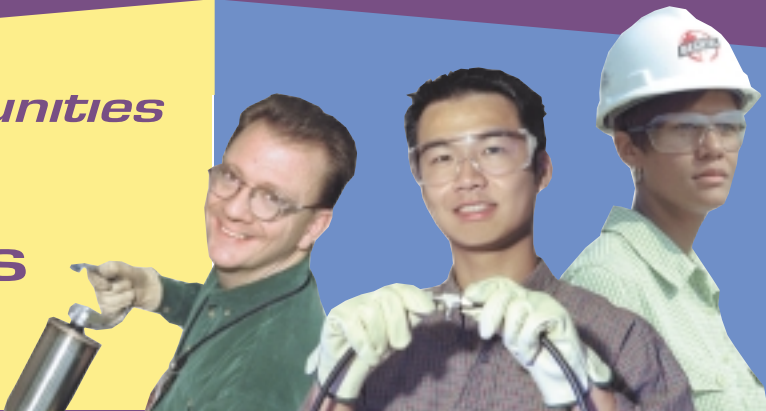


*real-work opportunities*

# Analytical Laboratories

at the  
Savannah River Site

*a member of the Westinghouse Savannah River Company Team*



**Analytical Laboratories Department** operates nine laboratories which provide routine analytical chemistry support to varying customers and programs at SRS.

The laboratories range from small labs consisting of a few rooms to one that occupies a 120,000 square foot building. The department currently employs approximately 260 people; 35 are chemists.

Operating in a technical area such as the Analytical Laboratories, there are many challenges that require employees to engage in critical analysis and to possess problem-solving capabilities. Some of the Department's current chemical and mission planning challenges include: supporting current and new plutonium disposition missions through planning process, technology and infrastructure development; identifying staffing, lab renovations, equipment and procedures needed to disposition surplus highly-enriched uranium; and supporting and developing innovative techniques needed for a wide variety samples received by the Analytical Laboratories Department.

The Analytical Laboratories Department offers several career development opportunities for chemists, physicists, engineers, mathematicians and computer scientists. The department provides extensive job and facility-specific training, as well as mentoring to enable new scientists to become familiar with the department and site practices.

The Analytical Laboratories Department performs technical oversight for analytical instrumentation and related systems; analytical support, troubleshooting, and method development for customer processes; preparation procedures, training packages and evaluation of laboratory analysts; and analytical planning, design and development for new programs and customer initiatives.

Work assignments of each scientist may include systems such as gas and ion chromatography; spectrophotometric techniques including Diode-Array, ICP, Infrared, Laser and UV-Vis; gas, ICP and conventional mass spectrometry; radioisotope counting systems such as alpha, beta, gamma,

neutron and liquid scintillation; and a variety of classical and not-so classical wet chemical separation and analysis techniques

The future for the department includes continued support for current missions such as nuclear materials stabilization and storage, tritium processing, environmental monitoring and remediation, and waste management activities. In addition, the department is positioning itself for support of future plutonium and uranium disposition facilities.

*For more information about the Analytical Laboratories Department, please contact Patricia Padezanin, Manager, Analytical Laboratories, at (803) 952-3910, or at [patricia.padezanin@srs.gov](mailto:patricia.padezanin@srs.gov).*

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